



NRG Energy, Inc.
P.O. Box 1001
1866 River Road
Middletown, CT 06457

August 14, 2012

Mr. Gene Shteynberg
CT Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106

**Subject: Semi-Annual Site Status Update
Middletown Station, 1866 River Road, CT**

Dear Mr. Shteynberg:

Middletown Power LLC respectfully submits the enclosed Semi Annual Site Status Update prepared by Shaw Environmental & Infrastructure, Inc. (Shaw) for the Middletown Station. This status update covers environmental activities performed from February 2012 through July 2012 at the subject site and includes the schedule.

Please contact Keith Shortsleeve, Environmental Compliance Specialist at Middletown Power LLC with any questions or for additional information at (860) 638-3102 or via email at keith.shortsleeve@nrgenergy.com.

Sincerely,
Middletown Power LLC



Jeffrey Araújo
Plant Manager

Cc: K. Shortsleeve, Middletown Power LLC
B. Spooner, NRG (electronic)
Juan Perez, USEPA (electronic)
A. Walker, LEP, Shaw (electronic)
File

August 14, 2012

Project #: 1009634015.24

Mr. Gene Shteynberg
CT Department of Energy & Environmental Protection
79 Elm Street
Hartford, CT 06106

Subject: Semi-Annual Site Status Update
 Middletown Generating Station
 Middletown, CT

Dear Mr. Shteynberg:

On behalf of Middletown Power LLC, Shaw Environmental & Infrastructure, Inc. (Shaw) has prepared this letter to provide a semi-annual site status update for the subject site. In addition, Shaw is providing the Connecticut Department of Energy & Environmental Protection (CTDEEP) with a schedule for continuing environmental activities at the site.

2012 ACTIVITIES

Environmental field activities completed at the site between February 2012 and July 2012 include monitoring well installation and repair, one groundwater monitoring event, and SB-1 Engineered Control (EC) inspections. The well installation, sampling event, and SB-1 activities are discussed in more detail below. Other environmental activities completed for the subject site during this reporting period include the following:

- Final draft specifications and plans for the remaining EC construction work were prepared for contractor bid. The bidding activities are anticipated to be initiated in the fall 2012.
- Significant progress continues to be made on an access agreement for SB-2 with the Connecticut Department of Transportation. Access is required to execute the EC in the southeast portion of SB-2. An agreement is anticipated to be reached in the fall 2012.
- The draft Environmental Land Use Restriction (ELUR) declaration and decision documents were prepared and submitted to CTDEEP on April 25, 2012 for general review and comment. No comments have been received from CTDEEP to date.
- The request for approval to use the Inaccessible Soil Exemption and the Environmentally Isolated Soil Exemption for soil beneath certain permanent structures at Areas of Concern (AOC) 1

through AOC 8, AOC 11, and AOC 13 was prepared and submitted to CTDEEP on June 27, 2012 for approval. No correspondence has been received from CTDEEP to date.

- CTDEEP and the U.S. Environmental Protection Agency (USEPA) issued a conditional approval for the Ecological Risk Assessment (ERA) on April 13, 2012. The approval is contingent upon preparing a revised ERA using the previously agreed upon edits. The proposed edits were agreed to by all involved parties including USEPA, CTDEEP, NRG, and Shaw. The revised ERA was prepared and submitted to USEPA on June 20, 2012 for approval.

Monitoring Well Installation and Repair

Shaw was on site with Technical Drilling Services of Sterling, MA for the installation of two groundwater monitoring wells and two road box replacements on June 7, 2012.

The two wells were installed to approximately 37 feet below grade surface using a 4.25-inch hollow stem auger. The first five feet of each boring were cleared by hand as a utility avoidance measure and no soil samples were collected during the borings. The wells were constructed with Schedule 40, threaded, flush-jointed, 2-inch PVC with a 15-foot long 0.01-inch (10-slot) factory slotted well screen. A clean silica sand filter pack, bentonite seal, and native material were placed around the wells. The wells were completed with a concrete pad and locking stick-up protective casing. The boring and well construction logs for the two new wells are attached (**Attachment 1**). The wells were developed by bailing, surging, and pumping upon completion of installation. One new well, AOC1-MW1R, is a replacement for the previously installed well AOC1-MW1 which had been inaccessible due to SB-1 EC construction activities. Well AOC1-MW1R is located just off the construction access road to the north of the AOC1-MW1 well location. The other new well, AOC1-MW2, is located approximately 400 feet to the east of well AOC1-MW1R, also just off the construction access road of the SB-1 EC. The approximate locations of the two new monitoring wells are shown on the 'eastern' site plan (**Figure 2**). The horizontal and vertical locations of these two new wells will be surveyed at a future date.

Damaged flush-mount road boxes were replaced on wells AOC2-SB1-MW1 and AOC5-MW1. Precise measurements of adjustments made to the PVC casing in order to fit the new road boxes were taken for use in future groundwater gauging data evaluations and are recorded in the Shaw groundwater elevation database.

Groundwater Monitoring

Shaw conducted a site-wide groundwater sampling event on July 9 and 10, 2012 to monitor groundwater quality. Groundwater monitoring and sampling was completed at eleven monitoring wells, including the two new wells. Monitoring well locations are shown on the site plans (**Figures 1 and 2**). A list of the monitoring wells sampled and the analyses conducted is provided in the table below. Laboratory analysis was completed by Accutest Laboratories in Marlboro, Massachusetts. The groundwater sampling event was generally consistent with the EC Part 2 dated November 2010 and the Site-Wide Remedial Action Plan (RAP) dated October 2011 although samples were not collected for analysis of volatile organic compounds.

Location	Laboratory Analysis July 8 and 9, 2012 Groundwater Monitoring Event		
	PAH	Metals	ETPH
TW-10		X	X
TW-14		X	X
TW-17D		X	
TW-18		X	
TW-21D		X	
AOC1-MW1R		X	
AOC1-MW2		X	
AOC2-SB1-MW1		X	
AOC8-SB1-MW1	X	X	X
AOC9-SB1-MW1		X	
AOC9-SB2-MW2	X	X	X

Notes:

1. Polycyclic aromatic hydrocarbons (PAH) including 2-methylnaphthalene by EPA Method 8270 SIM.
2. Metals including arsenic, lead, selenium, vanadium, and zinc by EPA Method 6010C.
3. Extractable petroleum hydrocarbons (ETPH) by Connecticut Department of Public Health Method.

During the groundwater sampling event, depth to groundwater was measured at each of the monitoring wells using an electronic interface probe (IP) capable of detecting light non-aqueous phase liquid (LNAPL). LNAPL was not detected in monitoring wells gauged during this event. Results of water level monitoring from July 2012 are summarized in **Table 1**.

During the July 2012 groundwater monitoring event, Shaw collected groundwater samples from the monitoring wells listed in the above table using a modified low flow sampling technique. No samples were field filtered. Each well was pumped at a rate that produced little or no drawdown while parameters including temperature, pH, dissolved oxygen, turbidity, and conductivity were monitored. Groundwater samples were then collected after the parameters stabilized to ensure that the groundwater sample was representative of local aquifer conditions. The final water quality parameters measured at each well are summarized in **Table 2**. Laboratory analysis of each sample is noted in the table above. Analytical results have not yet been received from the laboratory and will be included in the next semi-annual status report after data validation and evaluation activities are completed.

SB-1 EC Inspections

As stated in Section 6.0 of the CTDEEP-approved EC, routine inspections of the EC should commence within 1 month of project completion and quarterly for the first year. Since the SB-1 EC was completed in September 2011, the facility and Shaw have conducted the required periodic inspections of the SB-1 EC in October 2011, January 2012, and April 2012. During this reporting period, NRG and Shaw conducted the EC inspection on April 13, 2012 and the EC was observed to be in reasonable condition with no significant signs of a washout, erosion, or other failure. A modified version of Table 1 of the EC Part 2 (Shaw, 2010), the Engineered Control Inspection Checklist, was completed to document this inspection (**Attachment 2**). The remaining work in other areas of the site outlined in the RAP and EC submittals will

be performed following procurement of the associated construction services. As-built plans for the SB-1 EC will be included in an EC completion report to detail the construction activities once site wide EC construction is complete.

SITE SCHEDULE

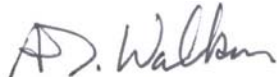
Outlined below is a site schedule that Middletown Power LLC and its parent company, NRG Energy Inc., expect to follow in the next two years.

Activity	Anticipated Date
Initiate RAP (i.e., start of final remediation)	Q4 2012
RAP Complete (i.e., construction complete)	Q2 2013
RAP Completion Report	Q4 2013
Continued Groundwater Monitoring	Q1 2013
Post Remediation Monitoring	2014

NRG Energy, Inc. will continue to provide updates on the status of response actions at the subject site on a semi-annual basis as requested by CTDEEP. Plans, submittals, and reports will be copied to the USEPA.

If you have any questions regarding this letter or any other matter, please do not hesitate to call me at 617.589.6143.

Sincerely,
Shaw Environmental & Infrastructure, Inc.



Andrew D. Walker, LEP, LSP
Project Manager

Enclosures:

Table 1 – Groundwater Gauging Data
Table 2 – July 2012 Groundwater Monitoring Field Parameters

Figure 1 – Site Plan – Western
Figure 2 – Site Plan - Eastern

Attachment 1 – Drilling Logs
Attachment 2 – EC Inspection Form

cc: Keith Shortsleeve, Middletown Power LLC
Robert Spooner, NRG (Electronic copy)
Juan Perez, USEPA (Electronic copy)

TABLES

TABLE 1
GROUNDWATER GAUGING DATA
(07/09/12 - 07/10/12)

07/17/12

Middletown Power LLC
1866 River Road
Middletown, Connecticut

Location	Date	Reference Elevation (Feet)	Depth to Water (Feet)	Depth to LNAPL (Feet)	LNAPL Thickness (Feet)	Groundwater Elevation (Feet)	Notes
AOC01-MW1R	07/09/12	NA	32.41	--	--	NA	DTB = 39.43'
AOC01-MW2	07/09/12	NA	32.31	--	--	NA	DTB = 39.97'
AOC02-SB1-MW1	07/10/12	27.60	25.52	--	--	2.08	DTB = 35.80'
AOC08-SB1-MW1	07/10/12	25.38	19.50	--	--	5.88	DTB = 31.99'
AOC09-SB1-MW1	07/10/12	27.39	25.01	--	--	2.38	DTB = 34.53'
AOC09-SB2-MW2	07/10/12	24.92	22.33	--	--	2.59	DTB = 34.55'
TW-10	07/09/12	32.60	28.58	--	--	4.02	DTB = 47.59'
TW-14	07/09/12	28.33	25.71	--	--	2.62	DTB = 46.48'
TW-17D	07/09/12	34.48	31.72	--	--	2.76	DTB = 41.85'
TW-18	07/09/12	36.92	34.90	--	--	2.02	DTB = 41.21'
TW-21D	07/09/12	34.42	32.58	--	--	1.84	DTB = 40.98'

Notes: -- = Not Detected NA = Not Available NM = Not Measured DTB = Depth to Bottom
 <0.01 = Trace amount LNAPL detected

TABLE 2
July 2012 Groundwater Field Water Quality

Middletown Power LLC
Middletown, Connecticut

SITE_ID	DATE	Temperature (C)	pH	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)
AOC01-MW1R	7/9/2012	19.01	6.23	0.769	1.35	330.1	0.5
AOC01-MW2	7/9/2012	16.94	6.05	1.081	1.03	-32.7	0.6
AOC02-SB1-MW1	7/10/2012	15.23	6.05	0.243	4.18	176.8	0.6
AOC08-SB1-MW1	7/10/2012	18.60	6.15	0.241	1.20	80.4	0.5
AOC09-SB1-MW1	7/10/2012	18.65	6.18	0.715	0.74	-44.4	0.4
AOC09-SB2-MW2	7/10/2012	17.21	6.07	0.885	0.92	15.5	0.6
TW-10	7/9/2012	16.09	6.08	0.236	1.22	84.1	0.7
TW-14	7/9/2012	14.08	5.81	0.176	0.76	51.0	0.8
TW-17D	7/9/2012	12.83	6.81	0.968	2.25	125.1	0.6
TW-18	7/9/2012	11.56	6.38	0.612	1.05	-5.6	0.6
TW-21D	7/9/2012	13.88	6.90	0.964	1.66	100.4	0.5

*Field parameters measured with a YSI.

C - degrees Celsius

mS/cm - milli-Siemens per centimeter

mg/L - milligrams per Liter

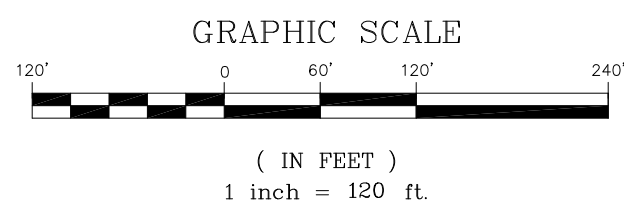
mV - millivolts

NTU - Nephelometric turbidity units

FIGURES

LEGEND:

- OAP-16, MDL-1, NRG-SB-1 ● BORING LOCATIONS FROM PHASE II & SUPPLEMENTAL INVESTIGATION
- TW-14 ● EXISTING MONITORING WELL LOCATIONS (RCRA COMPLIANCE MONITORING)
- AOC3-SB9 ● LOCATION OF PHASE III SOIL BORINGS
- AOC7-SB-1/MW1 ● LOCATION OF PHASE III SOIL BORING/MONITORING WELL
- MDL-13 ■ PROPOSED SOIL BORING FROM PHASE II INVESTIGATION (PHYSICAL RESTRAINTS OR UNDERGROUND UTILITY INTERFERENCE PREVENTED PLACEMENT OF BORING).
- PW-1 ⊕ PRODUCTION WELL
- ME-SED-03 ▲ PHASE II SEDIMENT SAMPLE LOCATION (1999)
- ADC7A-HA4 ● SUPPLEMENTAL PHASE III HAND AUGER SOIL SAMPLE LOCATION
- AOC1-SB2 ⊕ SHAW INSTALLED SOIL BORING
- AOC1-MW1 ● SHAW INSTALLED MONITORING WELL
- NRG-G ● MARCH 2008 SEDIMENT SAMPLE LOCATION
- EXISTING CHAIN LINK FENCE
- APPROXIMATE LIMITS OF AREA OF CONCERN



NOTES:

- 1.) "SITE PLAN-NRG MIDDLETOWN GENERATING STATION, MIDDLETOWN, CONNECTICUT", PREPARED BY NAFIS & YOUNG ENGINEERS, INC. LOCATED AT 1355 MIDDLETOWN AVENUE, NORTHFORD, CONNECTICUT. SCALE 1"=40', SHEET NO. 1, DATED NOVEMBER 13, 2003.
- 2.) "COMPILED PLAN-MIDDLETOWN GENERATING STATION SEPARATION PLAN SHOWING LAND AND EASEMENT TO BE CONVEYED AND EASEMENT TO BE RESERVED MIDDLETOWN, CONNECTICUT" BY NORTHEAST UTILITIES SERVICE CO. FOR THE CONNECTICUT LIGHT AND POWER COMPANY. SCALE 1"=100', DRAWING NO. 21866 SHEET 1 AND 21866 SHEET 2. DATED 9-15-98.
- 3.) SEDIMENT SAMPLE LOCATION ME-SED-12 COLLECTED DURING THE PHASE II INVESTIGATION IN 1999 IS LOCATED 200 TO 300 FEET UPSTREAM OF WESTERN PROPERTY BOUNDARY.
- 4.) WESTERN PORTION OF SITE INCLUDES AOC2, AOC3, AOC4, AOC5, AOC6, AOC7, AOC8, AOC9A, AOC9B, AOC10A, AOC10B, AOC11, AOC13, AOC 14 AND AOC16.
- 5.) PRODUCTION WELL LOCATIONS FROM NORTHEAST UTILITIES SERVICE COMPANY RCRA "PART B" PLAN DATED MAY 10, 1985.

REFERENCES:

- 1) "AREAS OF CONCERN-EASTERN PORTION OF SITE" PREPARED BY METCALF & EDDY. DATED AUG. 2004. DWG# CZMID003A.DWG 2) "SAMPLE LOCATION PLAN-EASTERN PORTION OF SITE" PREPARED BY METCALF AND EDDY. DATED AUG. 2004. DWG# CZMID002A.DWG 2) SOIL BORING, MONITORING WELL, TOPOGRAPHIC AND WETLAND DELINEATION SURVEY BY A-PLUS CONSTRUCTION DATED MARCH 3, 2008, DWG: TOPO_SURVEY_030308



Shaw Environmental & Infrastructure, Inc.

DESIGNED BY: --	100 TECHNOLOGY CENTER DRIVE STOUGHTON, MASSACHUSETTS (617) 589-5111			
DRAWN BY: CD	FIGURE 2 SITE PLAN - WESTERN NRG ENERGY, INC - MIDDLETOWN GENERATING STATION MIDDLETOWN, CONNECTICUT			
CHECKED BY: AW				
APPROVED BY: AW	DATE: 1/31/12	SCALE: AS SHOWN	DRAWING NO. 1009634004-01	SHEET NO. --

OAP-6, MDL-1, NRG-SB-1 ●
TW-14 ●
AOC3-SB9 ●
AOC7-SB-1/MW1 ●
ME-SED-03 ▲
AOC7A-HA4 ●
MDL-1/OAP-3 ■
PW-5 ■

BORING LOCATIONS FROM PHASE II & SUPPLEMENTAL INVESTIGATION
EXISTING MONITORING WELL LOCATIONS (RCRA COMPLIANCE MONITORING)
LOCATION OF PHASE III SOIL BORINGS
LOCATION OF PHASE III SOIL BORING/MONITORING WELL
PHASE II SEDIMENT SAMPLE LOCATION
SUPPLEMENTAL PHASE III HAND AUGER SOIL SAMPLE LOCATION
PROPOSED SOIL BORING FROM PHASE II INVESTIGATION (PHYSICAL RESTRAINTS OR UNDERGROUND UTILITY INFERENCE PREVENTED PLACEMENT OF BORING).
PRODUCTION WELL


LEGEND:

AOC1-SB2 ■ SHAW INSTALLED SOIL BORING
AOC1-MW1R ● SHAW INSTALLED MONITORING WELL
AOC1-MW1 ■ WELL REPLACED
SP-1 ⊗ WETLAND SAMPLE POINT
W1-1 ▸ WETLAND POINT
--- INTERMITTENT STREAM
- - - - - EXISTING CHAIN LINK FENCE
- - - - - WETLAND DELINEATION LINE
~ ~ ~ ~ ~ APPROXIMATE LIMITS OF AREA OF CONCERN

NOTES:

- "SITE PLAN-NRG MIDDLETOWN GENERATING STATION, MIDDLETOWN, CONNECTICUT", PREPARED BY NAFIS & YOUNG ENGINEERS, INC. LOCATED AT 1355 MIDDLETOWN AVENUE, NORTHFORD, CONNECTICUT. SCALE 1"=40', SHEET NO. 1, DATED NOVEMBER 13, 2003.
- "COMPILATION PLAN-MIDDLETOWN GENERATING STATION SEPARATION PLAN SHOWING LAND AND EASEMENT TO BE CONVEYED AND EASEMENT TO BE RESERVED MIDDLETOWN, CONNECTICUT" BY NORTHEAST UTILITIES SERVICE CO. FOR THE CONNECTICUT LIGHT AND POWER COMPANY. SCALE 1"=100', DRAWING NO. 21866 SHEET 1 AND 21866 SHEET 2. DATED 9-15-98.
- SEDIMENT SAMPLE LOCATION ME-SED-12 COLLECTED DURING THE PHASE II INVESTIGATION IN 1999 IS LOCATED 200 TO 300 FEET UPSTREAM OF WESTERN PROPERTY BOUNDARY.
- EASTERN PORTION OF SITE INCLUDES AOC1 AND AOC15.
- PRODUCTION WELL LOCATIONS FROM NORTHEAST UTILITIES SERVICE COMPANY RCRA "PART B" PLAN DATED MAY 20, 1985.
- MONITORING WELL AOC1-MW1R AND AOC1-MW2 LOCATIONS ARE APPROXIMATE, AND ARE NOT YET SURVEYED.

- REFERENCES:
- "AREAS OF CONCERN-EASTERN PORTION OF SITE" PREPARED BY METCALF & EDDY, DATED AUG. 2004. DWG# CZMID003A.DWG
 - "SAMPLE LOCATION PLAN-EASTERN PORTION OF SITE" PREPARED BY METCALF & EDDY. DATED AUG. 2004. DWG# CZMID002A.DWG
 - WETLANDS DELINEATION PERFORMED BY TONY FROONJIAN, WETLAND SCIENTIST, SHAW ENVIRONMENTAL.
 - SOIL BORING, MONITORING WELL, TOPOGRAPHIC, AND WETLAND DELINEATION SURVEY BY A-PLUS CONSTRUCTION DATED MARCH 3, 2008, DWG: TOPO_SURVEY_030308
 - "STOCK PILE VOLUME PLAN" BY A-PLUS CONSTRUCTION DATED OCTOBER, 2008.

 Shaw Environmental & Infrastructure, Inc.				
DESIGNED BY: --	100 TECHNOLOGY CENTER DRIVE STOUGHTON, MASSACHUSETTS (617) 589-5111			
DRAWN BY: CD	FIGURE 2 SITE PLAN - EASTERN			
CHECKED BY: JM	NRG ENERGY, INC - MIDDLETOWN GENERATING STATION MIDDLETOWN, CONNECTICUT			
APPROVED BY: AW	DATE: 07/18/12	SCALE: AS SHOWN	DRAWING NO. 1009634004-01	SHEET NO. --

ATTACHMENT 1

Drilling Log

Monitoring Well

AOC1-MW-1R

Page: 1 of 1

Project NRG Middletown Owner Middletown Power LLC
 Location 1866 River Road, Middletown, Connecticut Proj. No. 1009634015
 Surface Elev. NA Total Hole Depth 37.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial ▽ 28.0 ft. Static NA Diameter 4.25 in.
 Screen: Dia 2 in. Length 15 ft. Type/Size PVC/Slot 0.010 in.
 Casing: Dia 2 in. Length 24.6 ft. Type PVC
 Fill Material Cement, Native, Bentonite, Sand Rig/Core D120/Hollow Stem Auger
 Drill Co. TDS Method Hollow Stem Auger
 Driller Darwin Log By Ben Short Date 6/7/12 Permit # NA
 Checked By A. Steele License No. _____

COMMENTS

ND = None detected

No split spoons collected.
 Visual: No ash noted. PID and description collected off cuttings.

Approximately 2.6 ft. of PVC
 TOC stickup above grade.

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic Descriptions are Based on the USCS.
0		ND				SP	0' - 5' Hand Cleared with Post Hole Digger Light brown, loose, medium SAND
5							
10		ND					Brown, loose, fine SAND
15							
20		ND				SM	Brown, moist, SAND and SILT
25							
30		ND				ML	Wet, medium dense, SILT
35							
40							End of exploration at 37 feet below surface grade.

Drilling Log

Monitoring Well

AOC1-MW-2

Page: 1 of 1

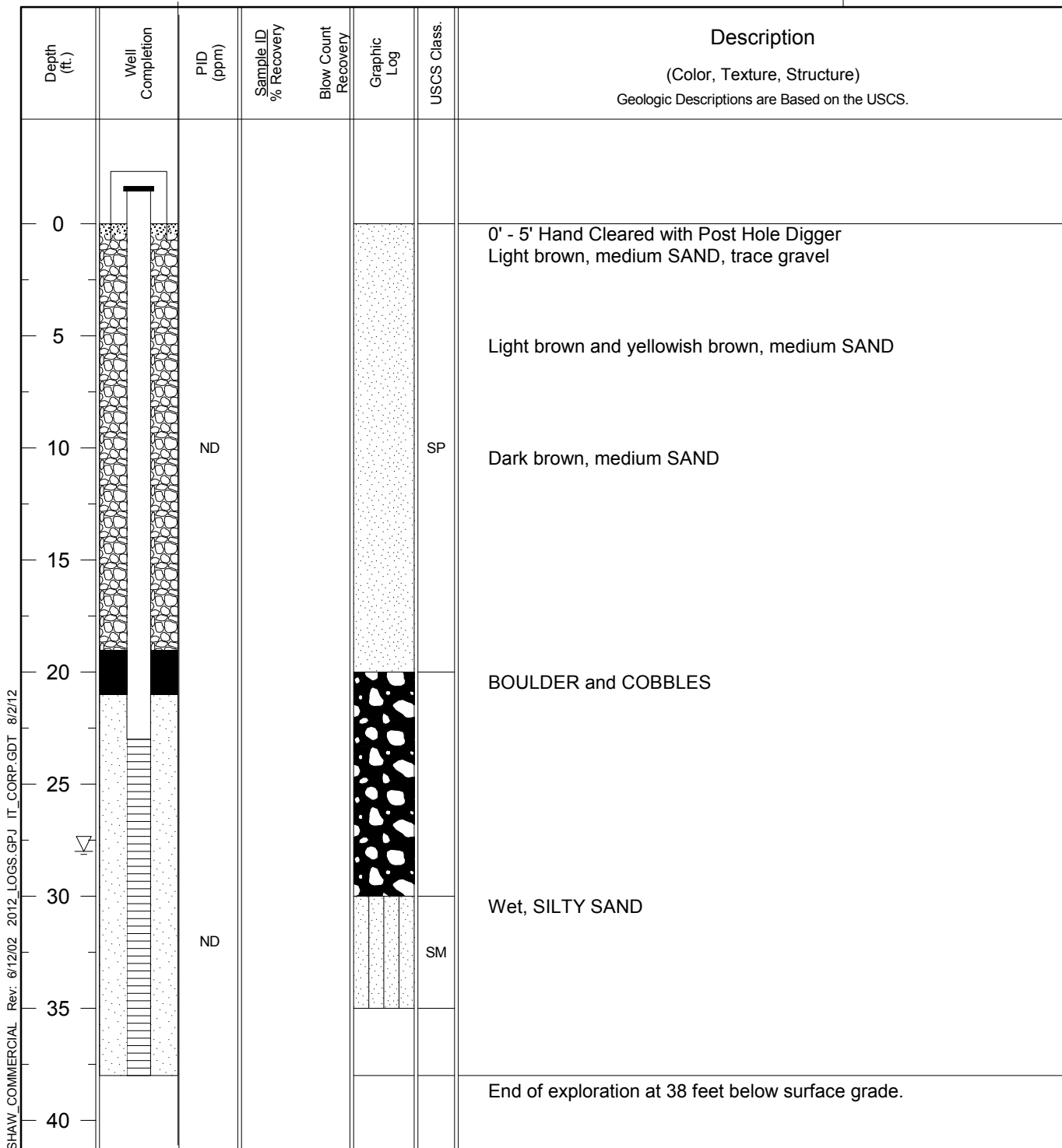
Project NRG Middletown Owner Middletown Power LLC
 Location 1866 River Road, Middletown, Connecticut Proj. No. 1009634015
 Surface Elev. NA Total Hole Depth 38.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial ▽ 28.0 ft. Static NA Diameter 4.25 in.
 Screen: Dia 2 in. Length 15 ft. Type/Size PVC/Slot 0.010 in.
 Casing: Dia 2 in. Length 26.3 ft. Type PVC
 Fill Material Cement, Native, Bentonite, Sand Rig/Core D120/Hollow Stem Auger
 Drill Co. TDS Method Hollow Stem Auger
 Driller Darwin Log By Ben Short Date 6/7/12 Permit # NA
 Checked By A. Steele License No. _____

COMMENTS

ND = None detected

No split spoons collected.
 Visual: No ash noted. PID and description collected off cuttings.

Approximately 3.3 ft. of PVC
 TOC stickup above grade.



ATTACHMENT 2

Table 1
Engineered Control Inspection Checklist
Middletown Generating Station
Middletown, CT

Completed by: Andy Walker and Paul Farrington

Company: Shaw Environmental, Inc.

Date: April 13, 2012

Signature: 

Problem Code

ACE 1 or 2 = Aggregate Cover Erosion, Moderate or Severe

ACSW 1 or 2 = Aggregate Cover Subsurface Washout, Moderate or Severe

SCE 1 or 2 = Soil Cover Erosion, Moderate or Severe

SCSW 1 or 2 = Soil Cover Subsurface Washout, Moderate or Severe

GD 1 or 2 = Vegetation Dead, Moderate or Severe

GE 1 or 2 = Vegetation Erosion, Moderate or Severe

GP = Vegetation Water Ponding Observed

GSF = Vegetation Slope Failure

GSW = Vegetation Subsurface Washout

PDSO = Perimeter Drainage Swale Obstructed

DCO = Drainage Culvert Obstructed

AP C1 = Asphalt Pavement Cracks > 1/2 inch

AP C2 = Asphalt "Potholes"

SF = Slope Failure

O = Other

NA = Not Applicable

Remedial Areas (2)	Location (2) (3)	Problem Code	Repair Requirements and Notes (Provide Description) (4)
AOC 1			
Low Permeability Engineered Control		No issues observed at SB-1.	
Aggregate Engineered Control		NA	
Soil Engineered Control		NA	
Prior Repair Area (5)		NA	
AOC 8			
Asphalt Engineered Control		NA	
Prior Repair Area (5)		NA	
AOC 13 (Eastern half)			
Aggregate Engineered Control		NA	
Soil Engineered Control		NA	
Asphalt Engineered Control		NA	
Prior Repair Area (5)		NA	

Notes:

- (2) Use Sheets 1, 2, 3 and 4 of the Engineered Control Drawings for the Inspection Plan.
- (3) At least one photograph should accompany each location number.
- (4) Supplementary computations and design text maybe required for significant repairs
- (5) Document condition of each area identified and repaired during previous inspection.